Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1 – 33. (Canceled)

34. (New) A method of creating a groove in a surface of a collector ring of an electrical device, the method comprising:

cutting the groove in the surface of the collector ring using a cutting tool that has a cutting action that functions independently from the motion of the collector ring.

35. (New) The method of claim 34, wherein the collector ring remains coupled to at least a portion of the electrical device when creating the groove in the surface of the collector ring.

36. (New) The method of claim 34, wherein the electrical device comprises a large industrial generator.

37. (New) The method of claim 34, wherein the electrical device comprises an industrial power plant generator.

38. (New) The method of claim 34, wherein the electrical device comprises an electrical motor.

39. (New) The method of claim 34, wherein the cutting tool is a grinder.

40. (New) The method of claim 34, wherein the cutting tool is a rotary grinder.

41. (New) The method of claim 34, wherein the cutting tool is a hand held rotary grinder.

42. (New) The method of claim 34, wherein the cutting tool is a rotary grinder mounted to a support structure proximate the surface of the collector ring.

43. (New) The method of claim 42, wherein the support allows for lateral movement of the rotary grinder along the surface of the collector ring.

44. (New) The method of claim 34, wherein the groove that is created is a helical shaped groove about the surface of the collector ring.

45. (New) The method of claim 34, wherein the collector ring is cylindrical in shape, and the surface is an outer peripheral surface, and the groove forms a helical or spiral shape about the outer peripheral surface of the cylindrical collector ring.

46. (New) A method of creating a groove in a surface of a collector ring for use in an industrial power plant generator, the method comprising:

cutting the groove in the surface of the collector ring using a cutting tool that has a cutting action that functions independently from the motion of the collector ring, wherein the collector ring remains coupled to at least a portion of the electrical generator when creating the groove in the surface of the collector ring.

47. (New) The method of claim 46, wherein the cutting tool is a grinder.

48. (New) The method of claim 46, wherein the cutting tool is a rotary grinder.

49. (New) The method of claim 46, wherein the cutting tool is a hand held rotary grinder.

50. (New) The method of claim 46, wherein the cutting tool is a rotary grinder mounted to a support structure proximate the surface of the collector ring.

51. (New) The method of claim 46, wherein the groove that is created is a helical shaped groove about the surface of the collector ring.

52. (New) The method of claim 46, wherein the collector ring is cylindrical in shape, and the surface is an outer peripheral surface, and the groove forms a helical or spiral shape about the outer peripheral surface of the cylindrical collector ring.

53. (New) A method for creating a groove in a peripheral surface of a collector ring of an electrical generator, the method comprising:

providing a means for cutting having a cutting action that functions independently from the motion of the collector ring; and

cutting the groove in the peripheral surface of the collector ring using the cutting means.